

CLAIMS

1. A belt for a conveyor, in particular for conveying moulded plastic pieces leaving a moulding unit, comprising:
a plurality of transverse plates or tracks disposed side by side and constrained hingedly to each other to form an endless belt,
5 wherein some of said transverse plates have transverse tongues which protrude substantially at right angles with respect to the plane of said transverse plates, said transverse tongues being made from soft rubber-based material, and wherein said transverse plates provided with transverse tongues and/or said transverse plates without transverse tongues, comprise a plurality of plate elements, of various
10 shapes and lengths, disposed aligned with each other, so as to obtain a transverse plate of the desired length,
said plate elements being constrained to each other in a snap coupling relationship.
2. A belt of claim 1, wherein in at least one of the two ends of said plate elements,
15 there is provided a hole– pin pair able to engage in a snap coupling relationship with a respective hole– pin pair provided at the end of an adjacent element.
3. A belt of claim 2, wherein the head of said pin has a cut so as to form two elastic tongues provided with an abutment surface with a greater diameter able to abut against
20 an annular abutment surface formed in the hole to retain the pin of one element inside the hole of an adjacent element.
4. A belt of claim 1, wherein said cross plates provided with cross tongues are made from hard plastic.
- 25 5. A belt of claim 1, wherein said transverse tongues are made separately from said transverse plates and are coupled to said transverse plates by means of coupling means.
- 30 6. A belt of claim 5, wherein said coupling means comprise a guide channel formed on the outer surface of said transverse plates able to receive, in a coupling relationship, the base of said transverse tongue.

7. A belt of claim 6, wherein said guide channel has at least one undercut portion able to abut against a respective protruding portion of the base of said tongue.
- 5 8. A belt of claim 7, wherein the cross section of said guide channel is substantially upturned T or swallowtail shaped and in that the base of said transverse tongue has a shape complementary to that of the guide channel.
- 10 9. A belt of claim 4, wherein said transverse tongues are made in a single piece with said transverse plates, by coinjection moulding, wherein a plastic material for formation of the transverse plate and a rubber-based thermoplastic material for formation of the transverse tongue are coinjected into the mould.